

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023215.D
 Acq On : 28 Aug 2025 10:02
 Operator : SY/MD
 Sample : VY0828SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0828SBL01

Quant Time: Aug 29 02:06:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

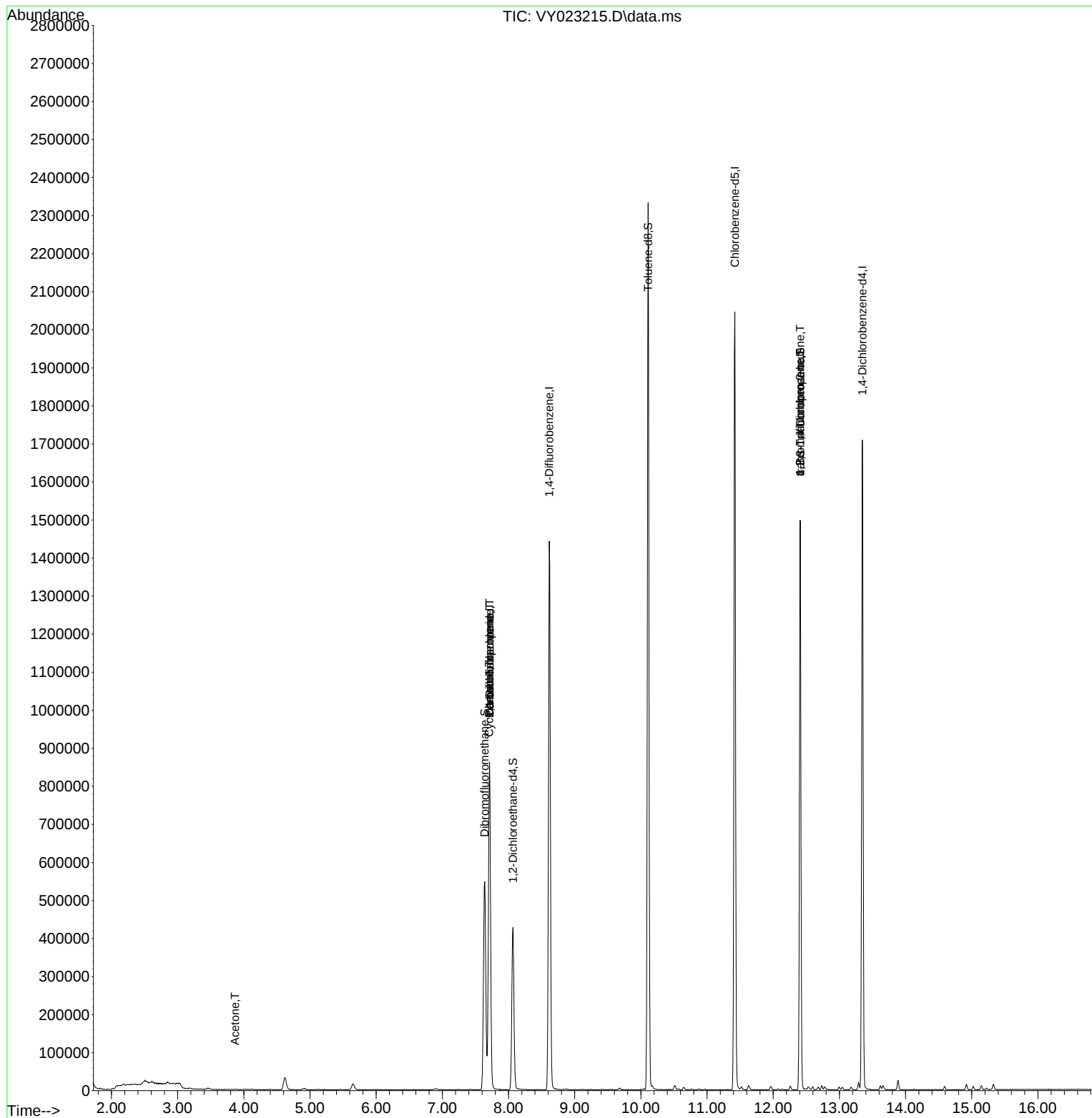
Internal Standards						
1) Pentafluorobenzene	7.713	168	694700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1286727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1122725	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	442680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	338350	51.103	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.200%	
35) Dibromofluoromethane	7.640	113	398929	51.813	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.620%	
50) Toluene-d8	10.109	98	1524498	50.684	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.360%	
62) 4-Bromofluorobenzene	12.408	95	438387	45.320	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.640%	
Target Compounds						Qvalue
16) Acetone	3.866	43	1703	1.187	ug/l	91
31) Cyclohexane	7.707	56	13706	1.111	ug/l #	14
36) 1,1-Dichloropropene	7.713	75	49151	4.296	ug/l #	50
38) Carbon Tetrachloride	7.713	117	67733	5.450	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	223278	52.261	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	223278	126.508	ug/l #	14

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 29 02:06:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

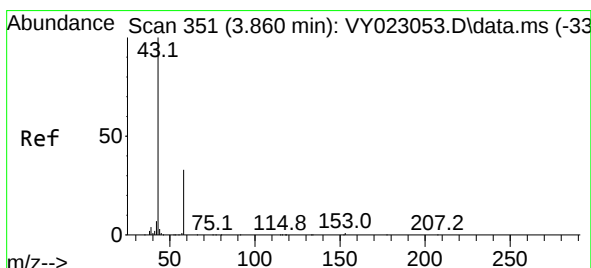
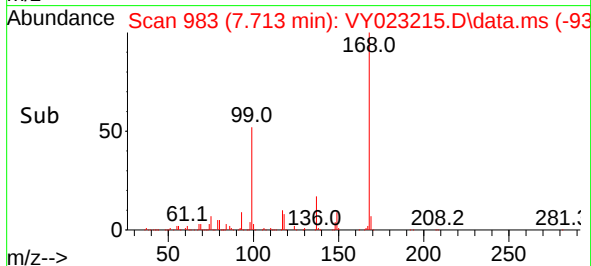
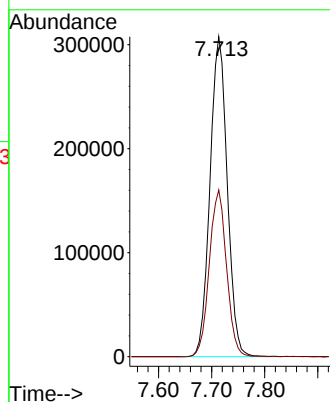
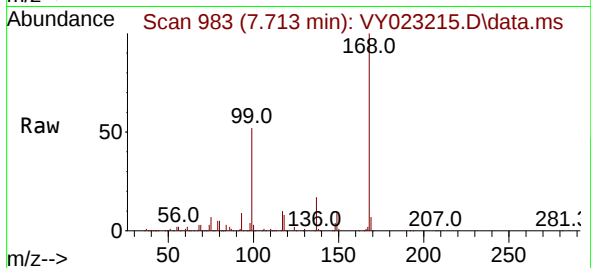




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

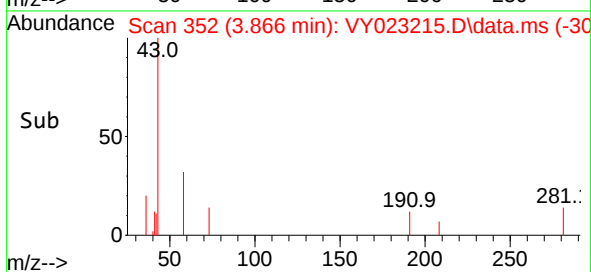
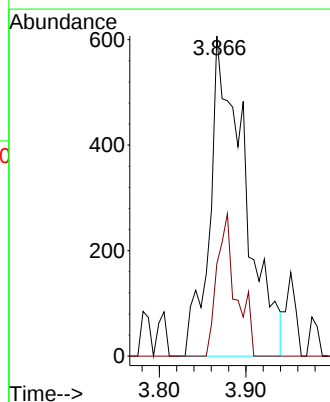
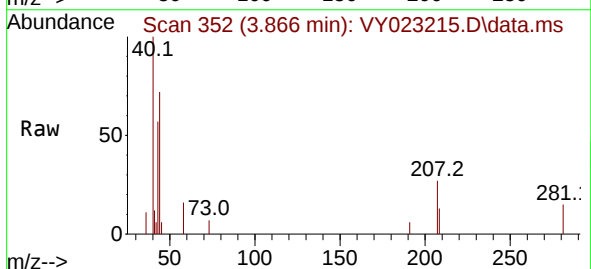
Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

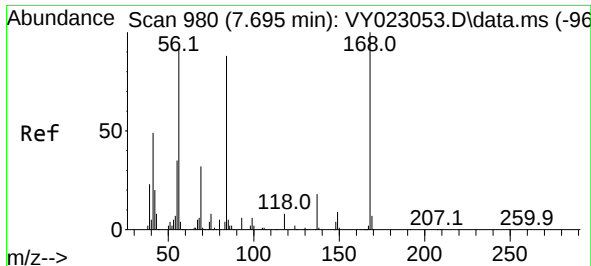
Tgt Ion:168 Resp: 694700
Ion Ratio Lower Upper
168 100
99 52.1 42.8 64.2



#16
Acetone
Concen: 1.187 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Tgt Ion: 43 Resp: 1703
Ion Ratio Lower Upper
43 100
58 28.8 27.1 40.7

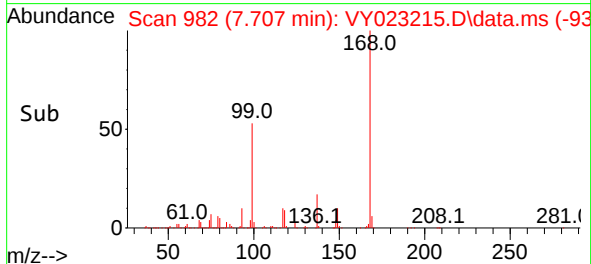
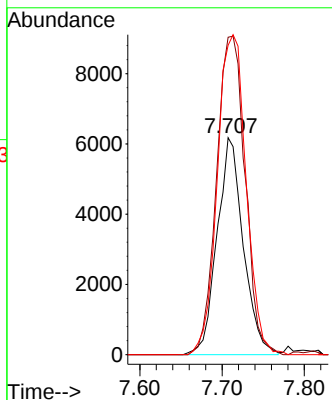
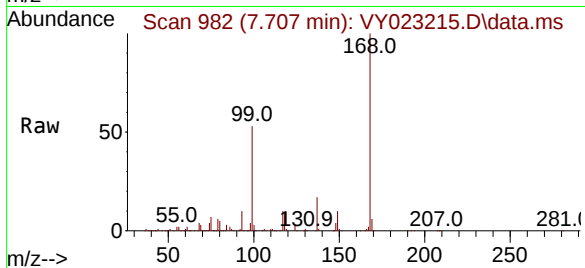




#31
Cyclohexane
Concen: 1.111 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

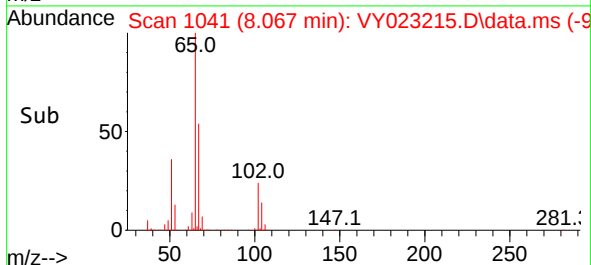
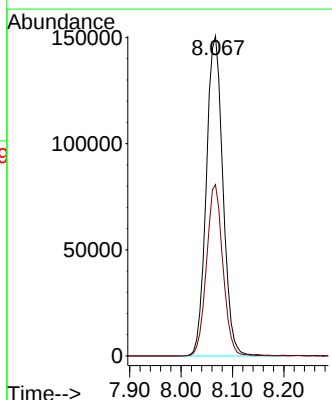
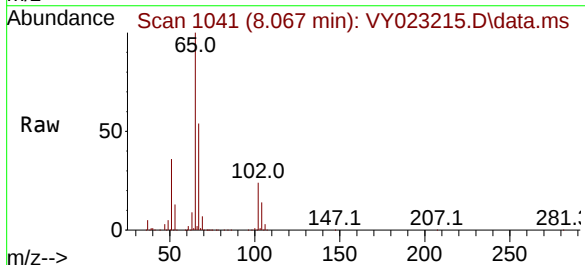
Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

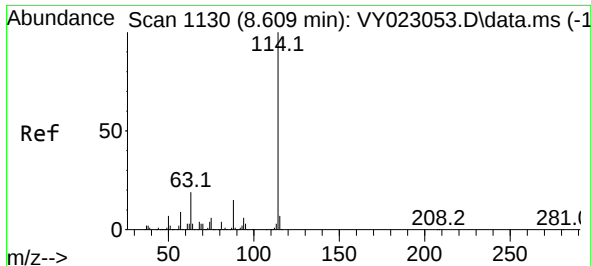
Tgt Ion: 56 Resp: 13706
Ion Ratio Lower Upper
56 100
69 146.3 28.2 42.2#
84 142.6 76.6 114.8#



#33
1,2-Dichloroethane-d4
Concen: 51.103 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Tgt Ion: 65 Resp: 338350
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023215.D

Acq: 28 Aug 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0828SBL01

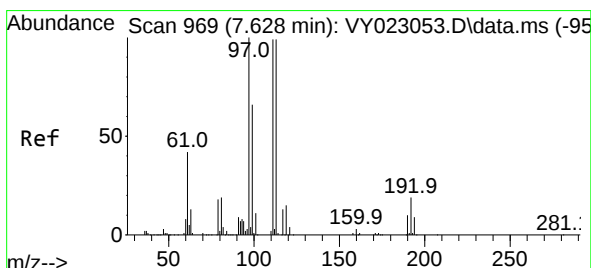
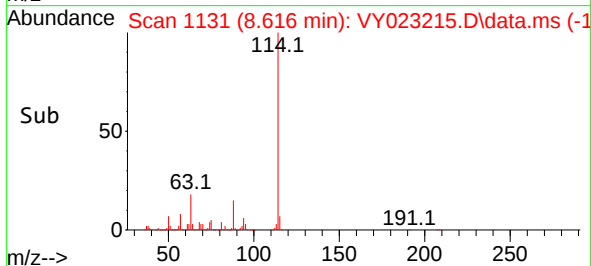
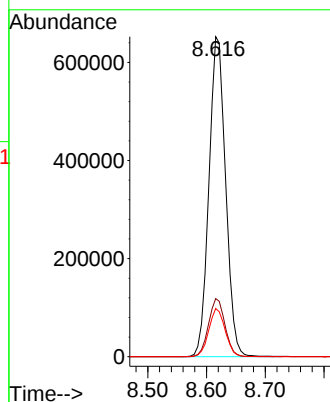
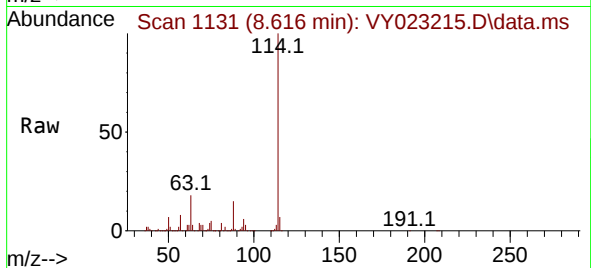
Tgt Ion:114 Resp: 1286727

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

88 15.0 0.0 30.0



#35

Dibromofluoromethane

Concen: 51.813 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023215.D

Acq: 28 Aug 2025 10:02

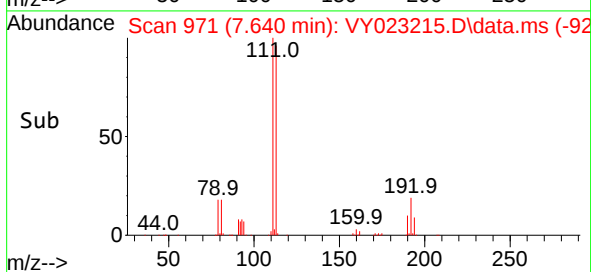
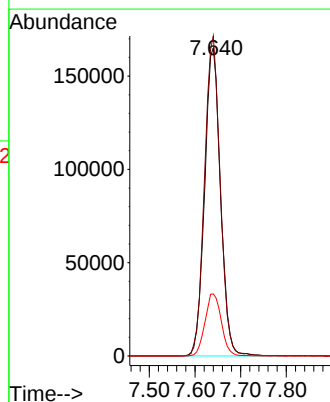
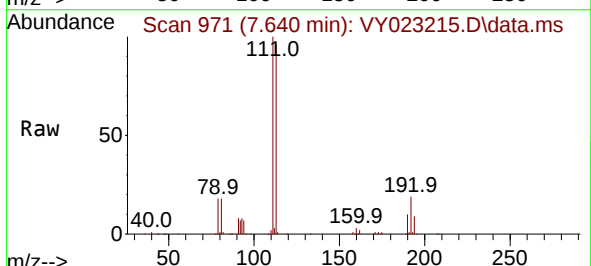
Tgt Ion:113 Resp: 398929

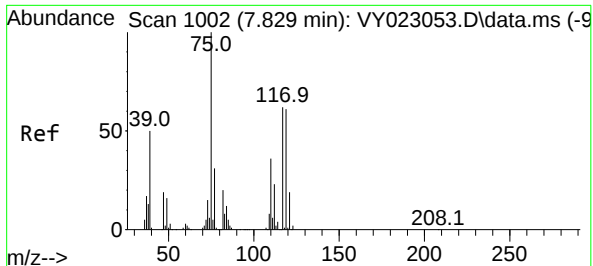
Ion Ratio Lower Upper

113 100

111 102.8 81.1 121.7

192 20.7 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.296 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.116 min

Lab File: VY023215.D

Acq: 28 Aug 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

VY0828SBL01

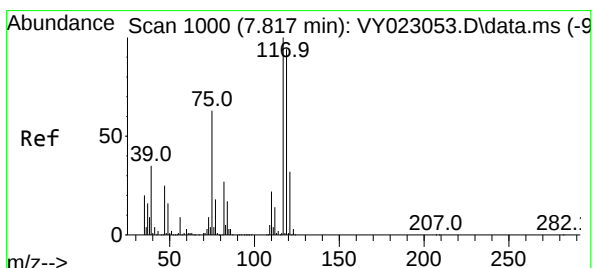
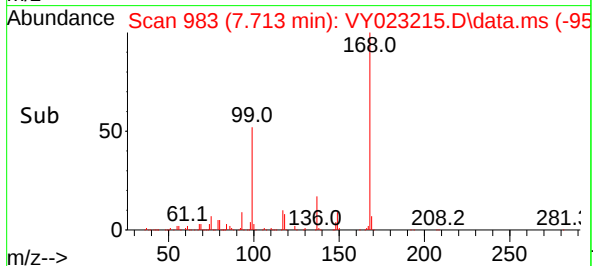
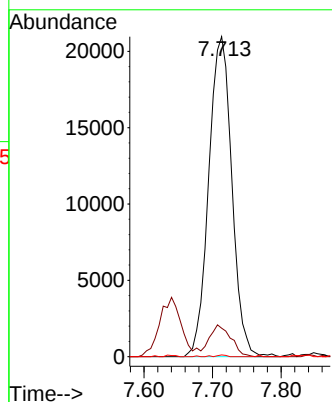
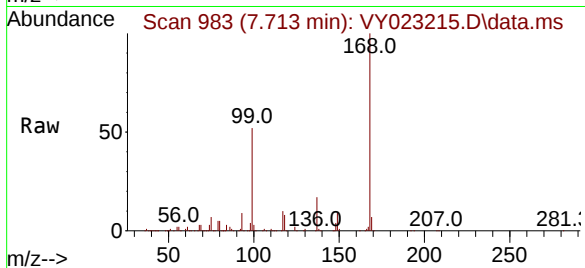
Tgt Ion: 75 Resp: 49151

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.4#

77 0.3 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 5.450 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023215.D

Acq: 28 Aug 2025 10:02

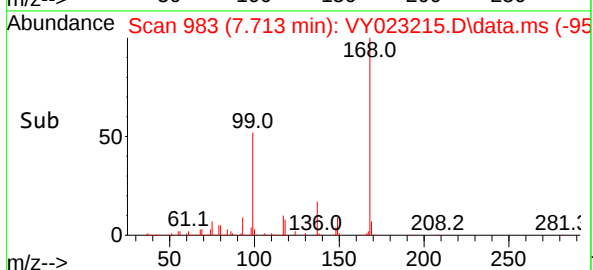
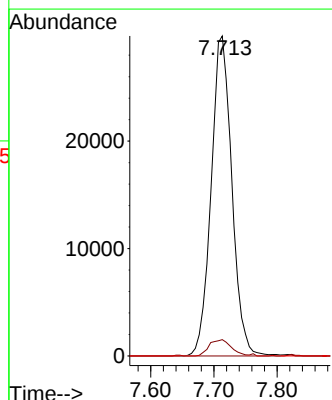
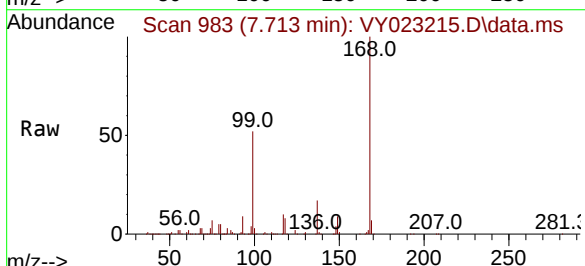
Tgt Ion: 117 Resp: 67733

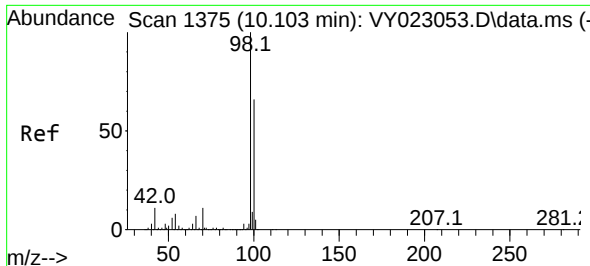
Ion Ratio Lower Upper

117 100

119 5.1 75.6 113.4#

121 0.0 25.8 38.8#

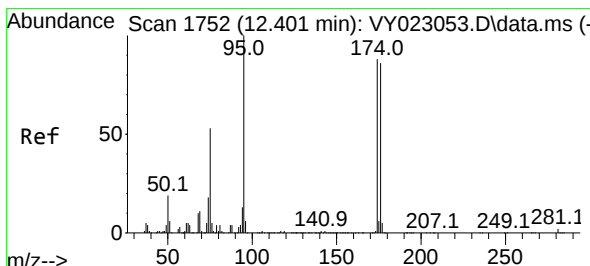
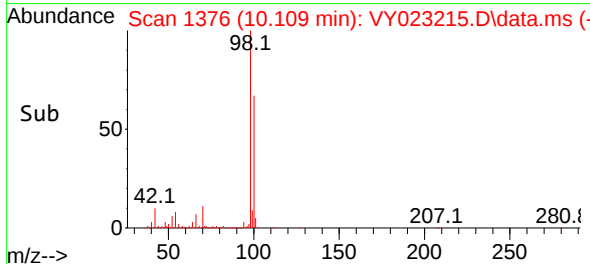
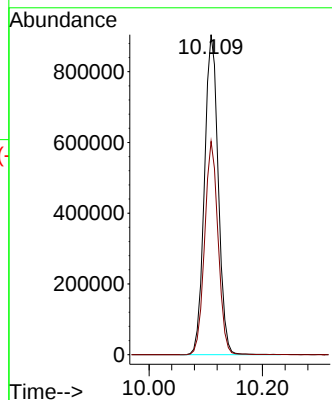
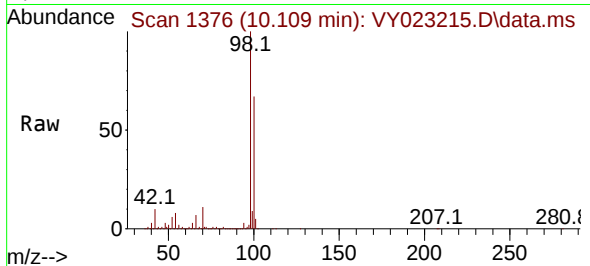




#50
Toluene-d8
Concen: 50.684 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

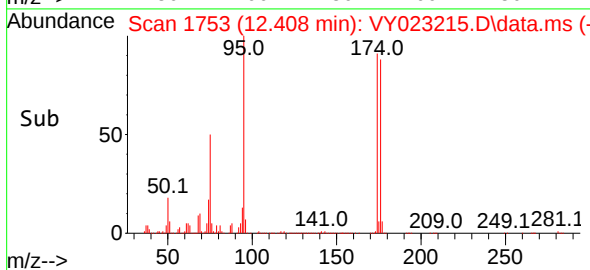
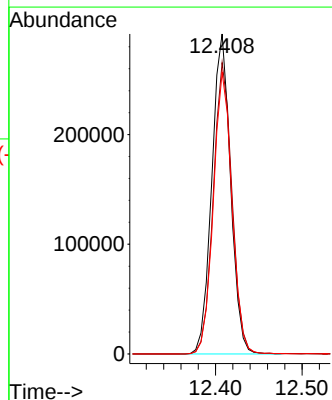
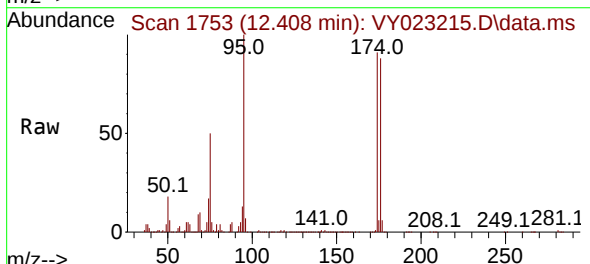
Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

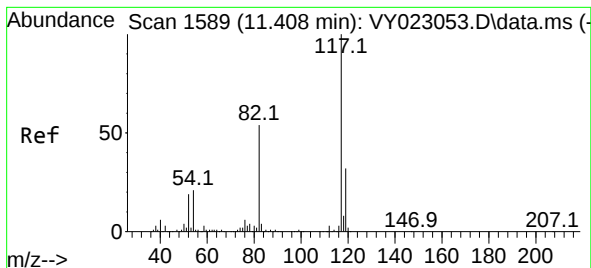
Tgt Ion: 98 Resp: 1524498
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 45.320 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Tgt Ion: 95 Resp: 438387
Ion Ratio Lower Upper
95 100
174 91.1 0.0 171.6
176 87.7 0.0 167.6

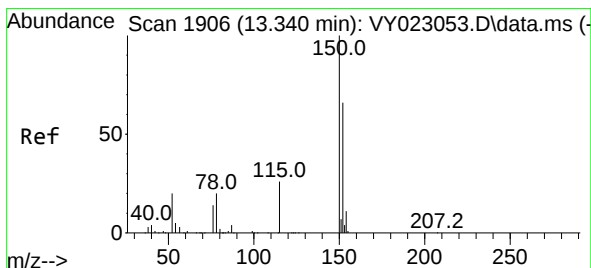
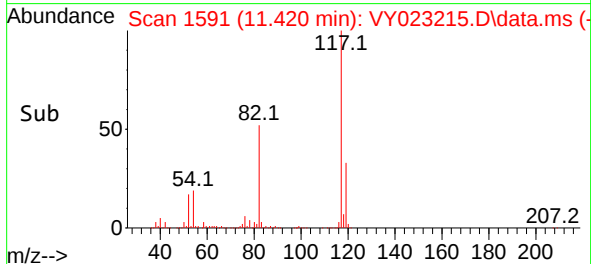
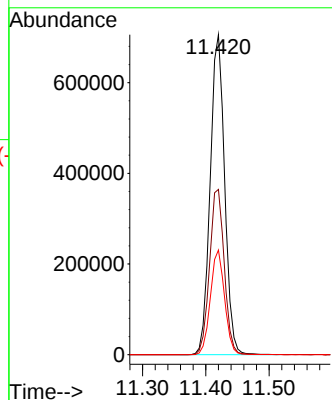
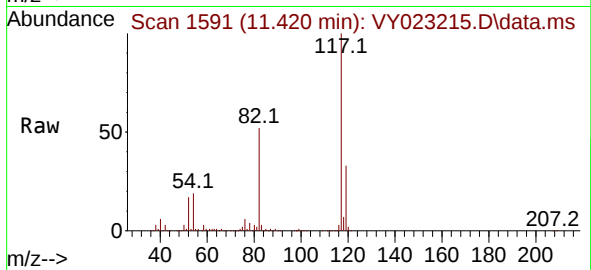




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

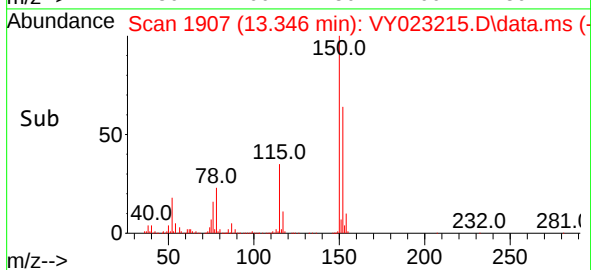
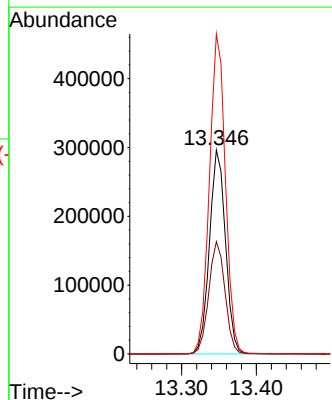
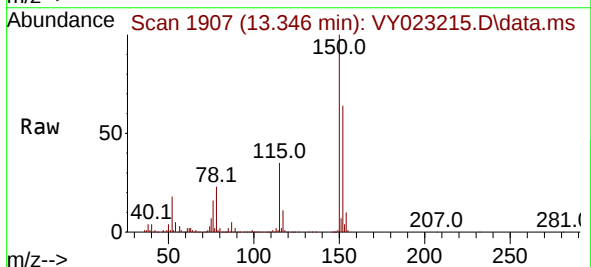
Instrument :
MSVOA_Y
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VY0828SBL01

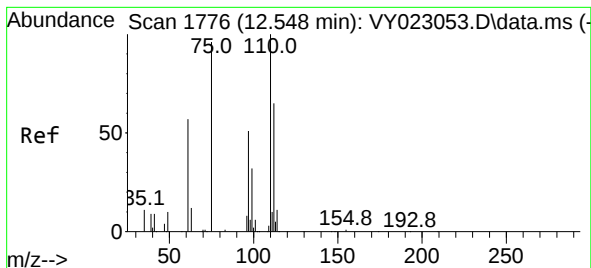
Tgt Ion:117 Resp: 1122725
Ion Ratio Lower Upper
117 100
82 51.6 43.4 65.0
119 32.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Tgt Ion:152 Resp: 442680
Ion Ratio Lower Upper
152 100
115 55.8 28.2 84.6
150 156.5 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 52.261 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.140 min

Lab File: VY023215.D

Acq: 28 Aug 2025 10:02

Instrument :

MSVOA_Y

ClientSampleId :

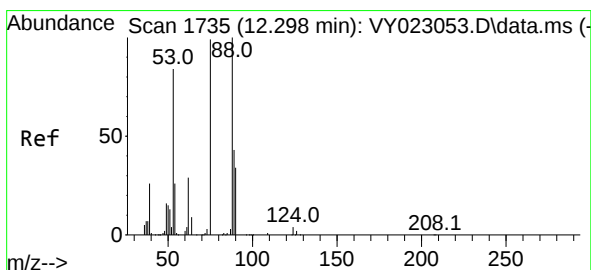
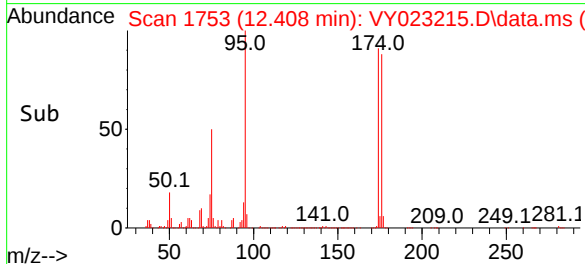
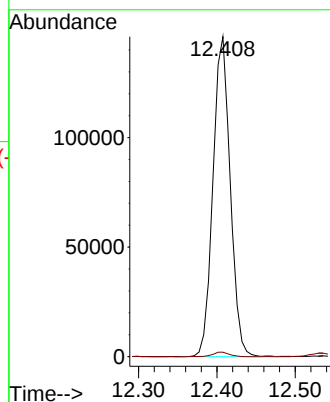
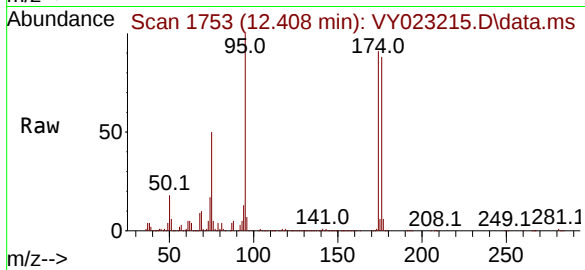
VY0828SBL01

Tgt Ion: 75 Resp: 223278

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.508 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023215.D

Acq: 28 Aug 2025 10:02

Tgt Ion: 75 Resp: 223278

Ion Ratio Lower Upper

75 100

53 0.2 70.8 106.2#

89 0.0 38.1 57.1#

